BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 9900000.00

Name of Work: Detailed Estimate for the work of Improvements to roads and drains A sector, B sector MIG 3rd phase chikkabommasandra and surrounding areas in ward no-04

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no143, PWD SR 2018-19)	cum							
	for CC road 3rd phase B Sector								
	1st main road		1	140.00	3.00	0.25	105.00		
			1	115.00	3.00	0.25	86.25		
			1	135.00	3.00	0.25	101.25		
	Sanjeevappa road		1	47.00	3.00	0.25	35.25		
			1	40.00	3.00	0.25	30.00		
			1	30.00	3.50	0.25	26.25		
			1	30.00	3.30	0.25	24.75		
	for RCC drain								
	3rd phase 1st main		2	70.00	1.00	1.00	140.00		
	2nd main road		2	85.00	1.00	1.00	170.00		
			2	100.00	1.00	1.00	200.00		
			1	140.00	1.00	1.00	140.00		
			1	65.00	1.00	1.00	65.00		
			1	20.00	1.00	1.00	20.00		
	culvert		3	6.00	1.50	1.00	27.00		
							1170.75	**137.80**	**161329.00**
	Basic Rate	130.00							
	Area Weightage 6%	7.80							
	Grand Total	137.80							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 136 (SR 2018-19)	cum							
			Vide Item No. 1				**1170.75**	**87.56**	**102506.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage 6%	4.96							
	Grand Total	87.56							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS	**Cum**							
	for CC road 3rd phase B Sector								
	1st main road		1	140.00	3.00	0.15	63.00		
			1	115.00	3.00	0.15	51.75		
			1	135.00	3.00	0.15	60.75		
	Sanjeevappa road		1	47.00	3.00	0.15	21.15		
			1	40.00	3.00	0.15	18.00		
			1	30.00	3.50	0.15	15.75		
			1	30.00	3.30	0.15	14.85		
	for RCC drain								
	3rd phase 1st main		2	70.00	1.00	0.15	21.00		
	2nd main road		2	85.00	1.00	0.15	25.50		
			2	100.00	1.00	0.15	30.00		
			1	140.00	1.00	0.15	21.00		
			1	65.00	1.00	0.15	9.75		
			1	20.00	1.00	0.15	3.00		
	culvert		3	6.00	1.50	0.15	4.05		
							359.55	**5408.12**	**1944490.00**
	Basic Rate	5102.00							
	Area Weightage 6%	306.12							
	Grand Total	5408.12							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No 1500,1700,2200 Page No 271 Ite mo 37 59.2 SR 2018-19	**Cum**							
	for RCC drains bed								
	3rd phase 1st main		2	70.00	0.90	0.15	18.90		
	2nd main road		2	85.00	0.90	0.15	22.95		
			2	100.00	0.90	0.15	27.00		
			1	140.00	0.90	0.15	18.90		
			1	65.00	0.90	0.15	8.78		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	20.00	0.90	0.15	2.70		
	Culvert		3	6.00	1.20	0.30	6.48		
	Side walls	2x2	4	70.00	0.15	0.75	31.50		
		2x2	4	85.00	0.15	0.75	38.25		
		2x2	4	100.00	0.15	0.75	45.00		
		2x1	2	140.00	0.15	0.75	31.50		
		2x1	2	65.00	0.15	0.75	14.63		
		1x2	2	20.00	0.15	0.75	4.50		
	culvert	3x2	6	6.00	0.30	0.90	9.72		
							280.80	**7070.20**	**1985312.00**
	Basic Rate	6670.00							
	Area Weightage 6%	400.20							
	Grand Total	7070.20							
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19	**Tonne**							
	for RCC drain 60 kg/cum		0.060	**264.60**			15.88		
	for culvert 75 kg/cum		0.075	**16.20**			1.22		
				280.80			**17.09**	**75223.96**	**1285653.00**
	Basic Rate	70966.00							
	Area Weightage 6%	4257.96							
	Grand Total	75223.96							
6	RCC Precast covering slab for drain (10cm thick)	**sqm**							
			2	70.00	0.75		105.00		
			2	85.00	0.75		127.50		
			2	100.00	0.75		150.00		
			1	140.00	0.75		105.00		
			1	65.00	0.75		48.75		
			1	20.00	0.75		15.00		
	missing slabs		1	100.00	0.75		75.00		
							626.25	**2337.00**	**1463546.25**
	Rate Approved by BBMP	**2337.00**							
7	Providing precast slab of **250 mm thick including cost of all** materials, labour, curing,transportation,loading ,unloading,etc ,complete as per the direction of engineer in charge-	**sqm**							
		3	10	1.20	0.60		21.60		
							21.60	**5418.00**	**117028.80**
	Data Rate	5418.00							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 175/ Item No. 22.6.1 SR 2018-19	Cum							
	for CC road 3rd phase B Sector								
	1st main road		1	140.00	3.00	0.15	63.00		
			1	115.00	3.00	0.15	51.75		
			1	135.00	3.00	0.15	60.75		
	Sanjeevappa road		1	47.00	3.00	0.15	21.15		
			1	40.00	3.00	0.15	18.00		
			1	30.00	3.50	0.15	15.75		
			1	30.00	3.30	0.15	14.85		
							245.25	**5210.96**	**1277988.00**
	Basic Rate	4916.00							
	Area Weightage 6%	294.96							
	Grand Total	5210.96							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 176 Item No 22.7 SR 2018-19	Sqm							
	for CC road 3rd phase B Sector								
	1st main road		1	140.00	3.00		420.00		
			1	115.00	3.00		345.00		
			1	135.00	3.00		405.00		
	Sanjeevappa road		1	47.00	3.00		141.00		
			1	40.00	3.00		120.00		
			1	30.00	3.50		105.00		
			1	30.00	3.30		99.00		
							1635.00	**72.08**	**117851.00**
	Basic Rate	68.00							
	Area Weightage 6%	4.08							
	Grand Total	72.08							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 176 SR 2018-19	Rmt							
	for CC road 3rd phase B Sector								
	1st main road		48	3.00			144.00		
			38	3.00			114.00		
			45	3.00			135.00		
	Sanjeevappa road		16	3.00			48.00		
			14	3.00			42.00		
			8	3.50			28.00		
			10	3.30			33.00		
							544.00	**143.10**	**77846.00**
	Basic Rate	135.00							
	Area Weightage 6%	8.10							
	Grand Total	143.10							
							Sub Total		**8531356.60**
11	**KRIDL Service charges 4%**								**341254.26**
16	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018.								1023762.79
12	Miscellaneous charges								3626.00
								Total	**9900000.00**

(Rupees Ninty nine Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs. Rs-9900000/- Executive Engineer
Yelahanka Division
Bangalore-64

Rupees Ninty nine lakhs only

Under Jobcode 100-004-19-000005

Registered as EE ( ) 9.....9.....
Subject to conditions contained in
enclosed memo EE ( ) No /9/...
Dt Estimate A/Sanctioned
JCdy/ea/RS/09/18-19
dated Rs Rs 9900009/-
7-11-2018

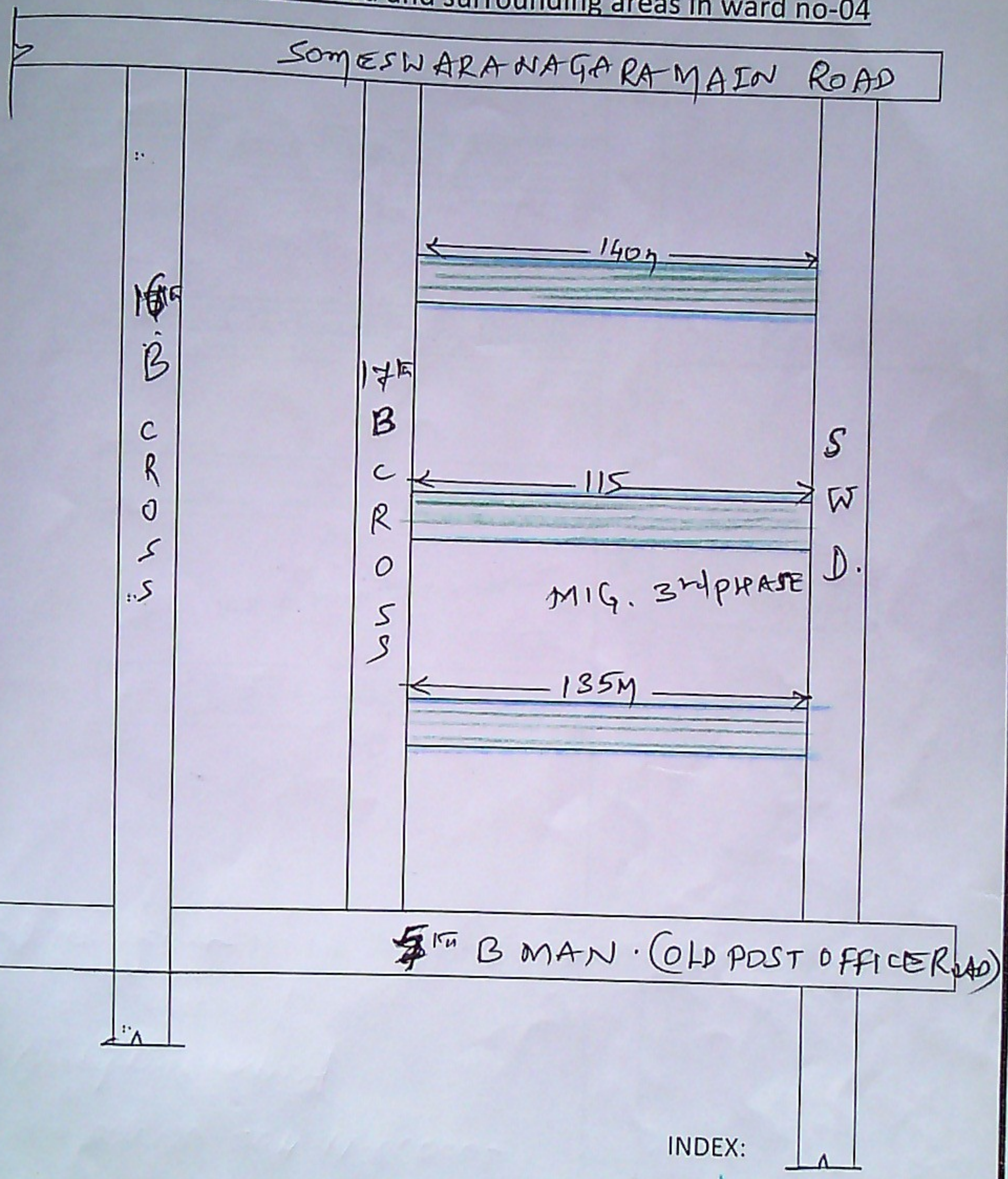
Joint Commissioner
(Yelahanka Zone)
BBMP Bangalore-64

Technical Sanction
Accorded For Rs 99 lakhs only
Head of A/C 1-2178
CER NO :...98..... Dt: 29.11.2018

TA CE (YNK)

NAME OF WORK:

Improvements to roads and drains A sector, B sector MIG 3rd phase chikkabommasandra and surrounding areas in ward no-04



INDEX:

A.E.E.

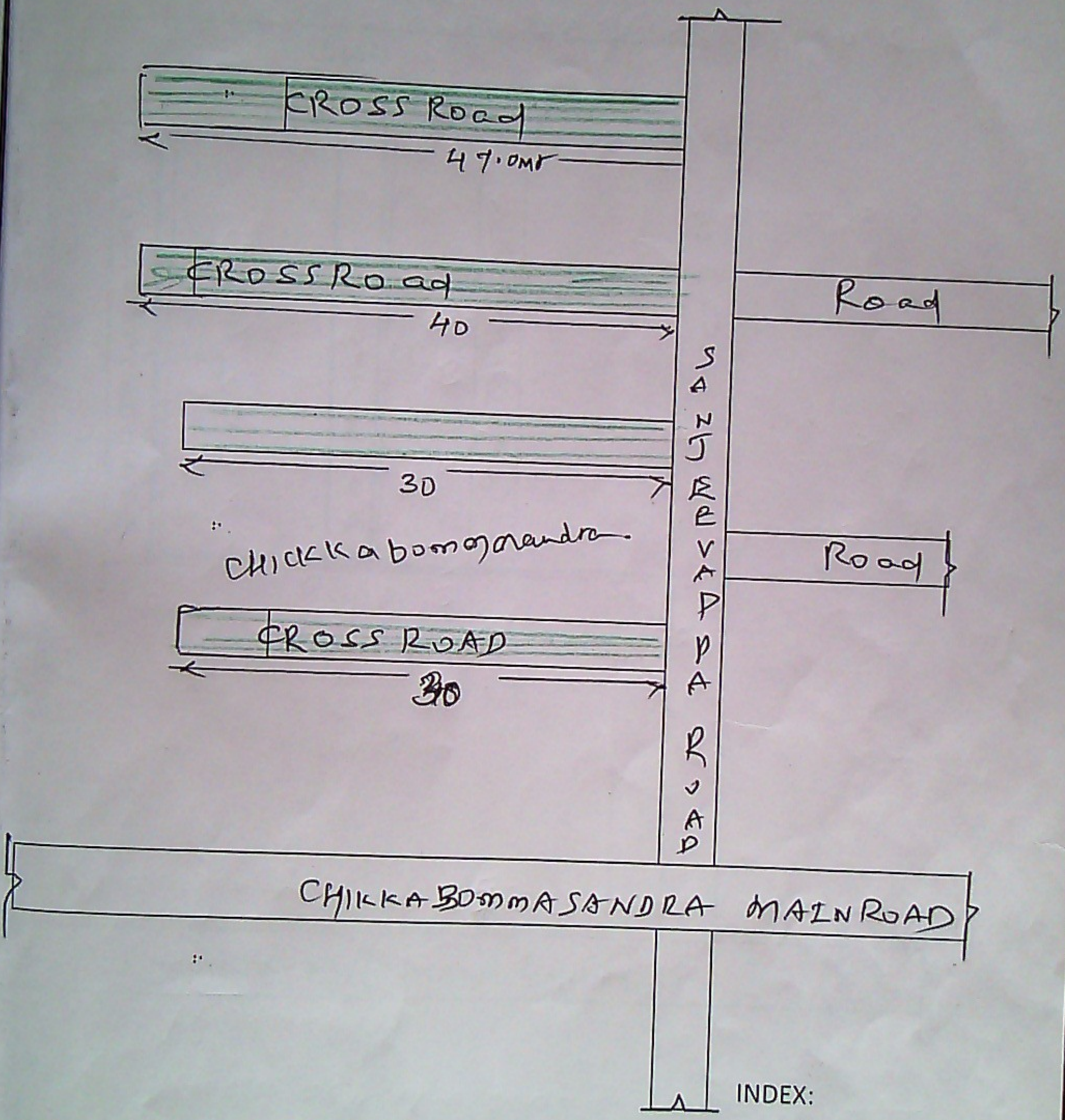
Rcc drain

CC Road

A.E.

NAME OF WORK:

Improvements to roads and drains A sector, B sector MIG 3rd phase chikkabommasandra and surrounding areas in ward no-04



INDEX:

□ Drain

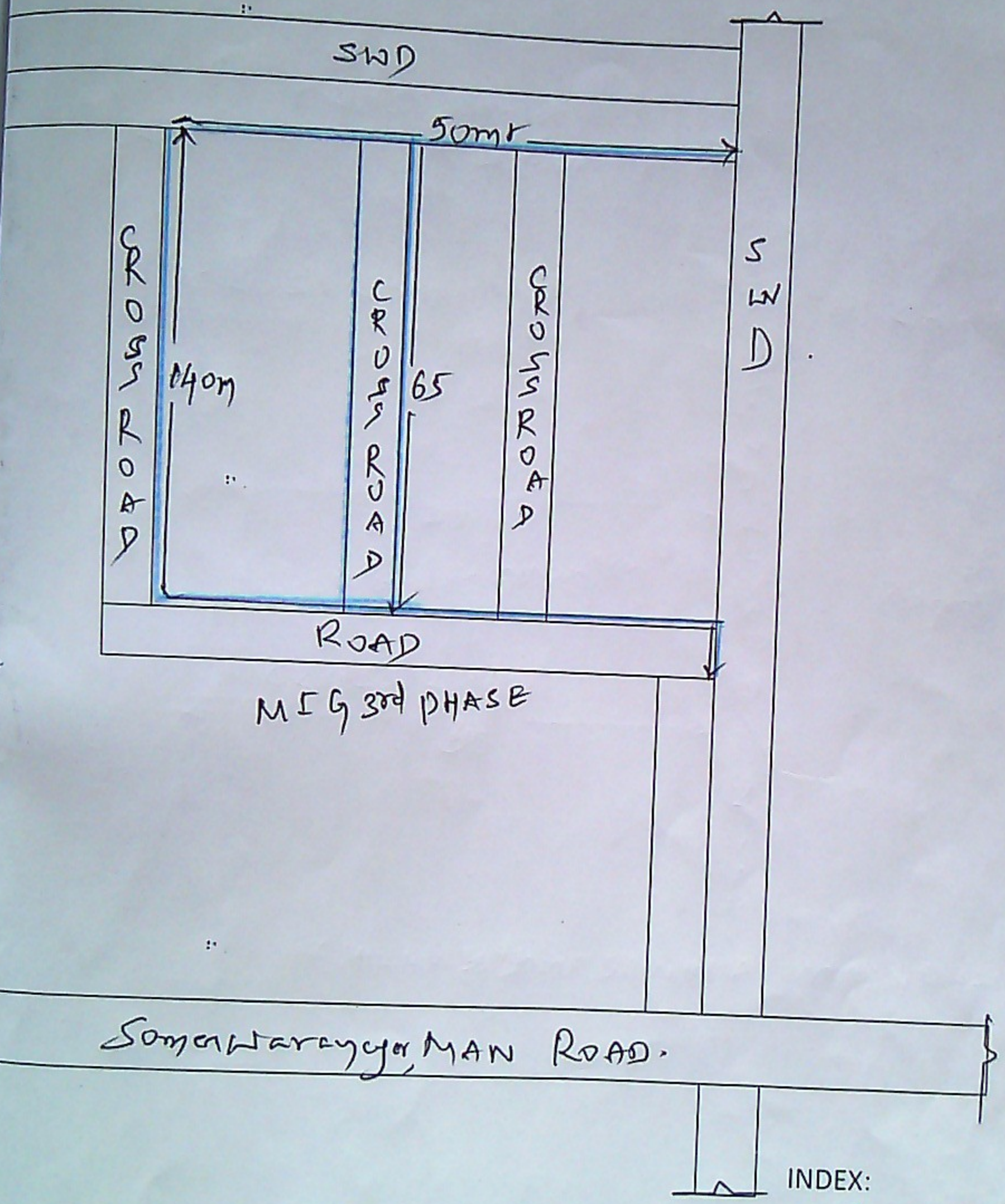
A.E. Ramanjaeyah

A.E.E.

CC Road

NAME OF WORK:

Improvements to roads and drains A sector, B sector MIG 3rd phase chikkabommasandra and surrounding areas in ward no-04



INDEX:

□ Roads

A.E.E.

Rcc drain

A.E. Ramesh